

BALDOR® • RELIANCE

Product Information Packet

EM2546T

60HP,3540RPM,3PH,60HZ,326TS,4250M,OPSB,F

Part Detail

Revision:	X	Status:	PRD/A	Change #:		Proprietary:	No
Type:	AC	Elec. Spec:	42WGW410	CD Diagram:	CD0180	Mfg Plant:	
Mech. Spec:	42F58	Layout:	42LYF058	Poles:	02	Created Date:	10-15-2010
Base:	RG	Eff. Date:	09-06-2017	Leads:	9#6		

Specs

Catalog Number:	EM2546T	Inverter Code:	Inverter Ready
Enclosure:	OPSB	KVA Code:	G
Frame:	326TS	Lifting Lugs:	Standard Lifting Lugs
Frame Material:	Steel	Locked Bearing Indicator:	No Locked Bearing
Output @ Frequency:	60.000 HP @ 60 HZ	Motor Lead Quantity/Wire Size:	9 @ 6 AWG
Synchronous Speed @ Frequency:	3600 RPM @ 60 HZ	Motor Lead Exit:	Ko Box
Voltage @ Frequency:	230.0 V @ 60 HZ	Motor Lead Termination:	Flying Leads
	460.0 V @ 60 HZ	Motor Type:	4250M
Agency Approvals:	CSA	Mounting Arrangement:	F1
	CSA EEV	Power Factor:	89
	UR	Product Family:	General Purpose
Auxillary Box:	No Auxillary Box	Pulley End Bearing Type:	Ball
Auxillary Box Lead Termination:	None	Pulley Face Code:	Standard
Base Indicator:	Rigid	Pulley Shaft Indicator:	Standard
Bearing Grease Type:	Polyrex EM (-20F +300F)	Rodent Screen:	None
Blower:	None	Shaft Extension Location:	Pulley End
Current @ Voltage:	136.000 A @ 230.0 V	Shaft Ground Indicator:	No Shaft Grounding
	68.000 A @ 460.0 V	Shaft Rotation:	Reversible

Design Code:	A	Shaft Slinger Indicator:	No Slinger
Drip Cover:	No Drip Cover	Speed Code:	Single Speed
Duty Rating:	CONT	Motor Standards:	NEMA
Electrically Isolated Bearing:	Not Electrically Isolated	Starting Method:	Direct on line
Feedback Device:	NO FEEDBACK	Thermal Device - Bearing:	None
Front Face Code:	Standard	Thermal Device - Winding:	None
Front Shaft Indicator:	None	Vibration Sensor Indicator:	No Vibration Sensor
Heater Indicator:	No Heater	Winding Thermal 1:	None
Insulation Class:	F	Winding Thermal 2:	None

Nameplate NP3554LUA										
CAT.NO.	EM2546T			P/N				ENCL	OPSB	
SPEC.	42F058W410G1		CC	010A	FRAME	326TS		SER.NO.		
HP	60		CLASS	F	HZ	60				
RPM	3540		PH	3	DES	A				
VOLTS	230/460			CODE	G		ODE BRG	6311	DE BRG	6312
AMPS	136/68			USABLE AT 208V						
RATING	40C AMB-CONT			NEMA-NOM-EFF	93.6		GREASE	POLYREX EM		
PF	89		SER.F.	1.15		VPWM INVERTER READY				
USABLE AT	50Hz 60Hp 190/380V 160/80A				SF 1.0					
HTR-VOLTS		HTR-AMPS		MAX. SPACE HEATER TEMP.						

AC Induction Motor Performance Data

Record # 33331 - Typical performance - not guaranteed values

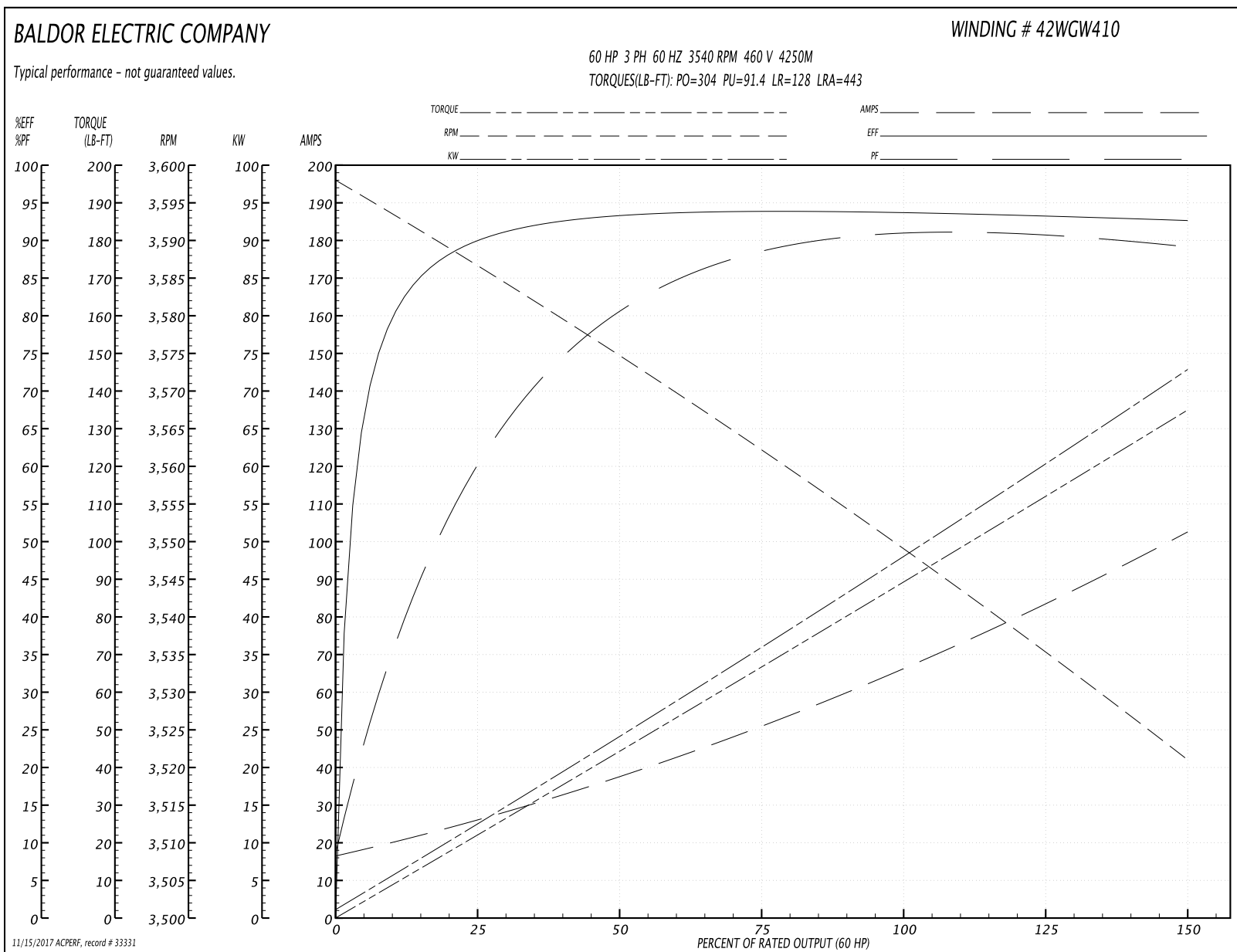
Winding: 42WGW410-R001	Type: 4250M	Enclosure: OPSB
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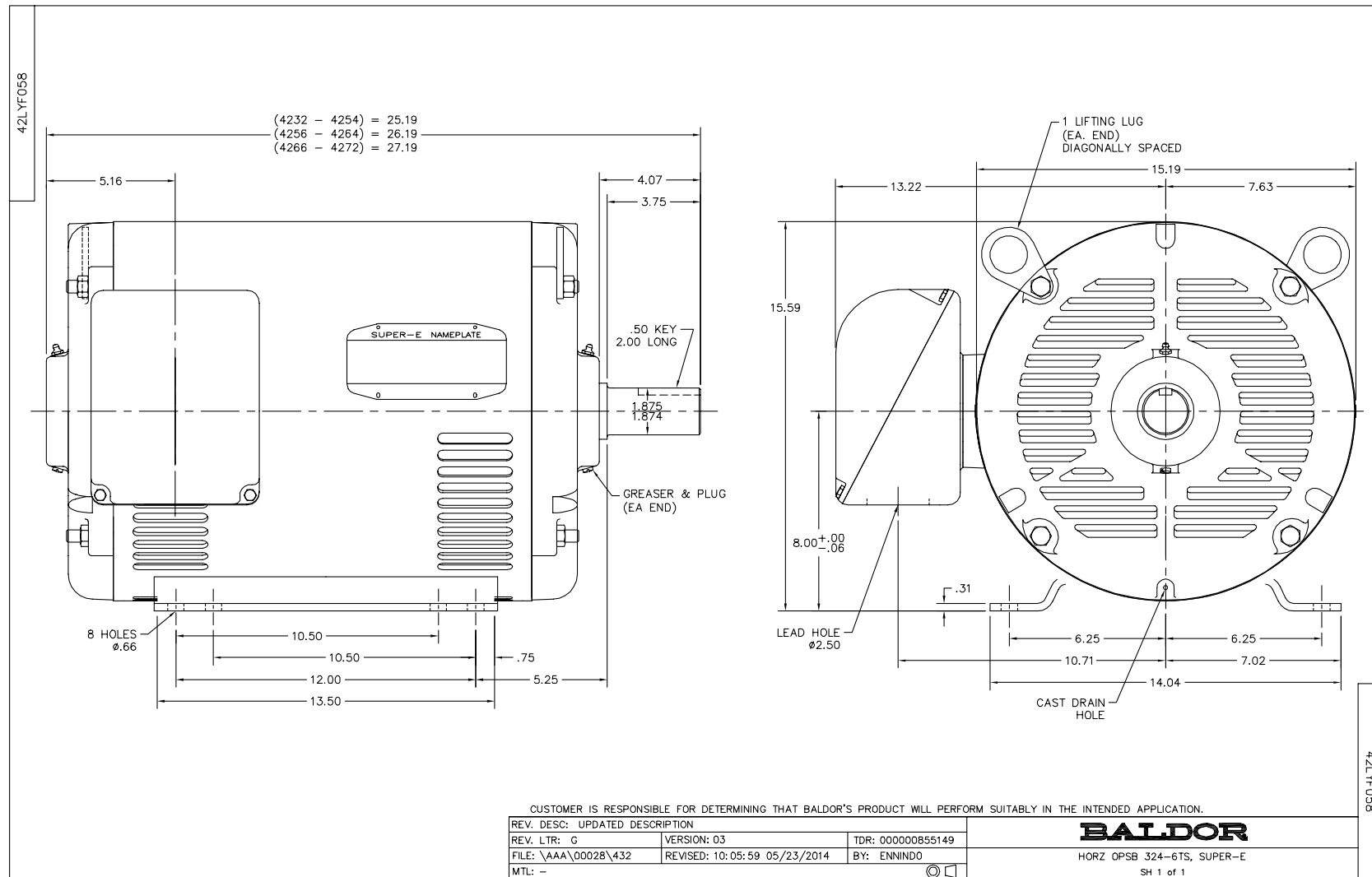
Nameplate Data				460 V, 60 Hz: High Voltage Connection	
Rated Output (HP)	60			Full Load Torque	88.9 LB-FT
Volts	230/460			Start Configuration	direct on line
Full Load Amps	136/68			Breakdown Torque	304 LB-FT
R.P.M.	3540			Pull-up Torque	91.4 LB-FT
Hz	60	Phase	3	Locked-rotor Torque	128 LB-FT
NEMA Design Code	A	KVA Code	G	Starting Current	443 A
Service Factor (S.F.)	1.15			No-load Current	17.7 A
NEMA Nom. Eff.	93.6	Power Factor	89	Line-line Res. @ 25°C	0.09668 Ω
Rating - Duty	40C AMB-CONT			Temp. Rise @ Rated Load	35°C
S.F. Amps				Temp. Rise @ S.F. Load	43°C

Load Characteristics 460 V, 60 Hz, 60 HP

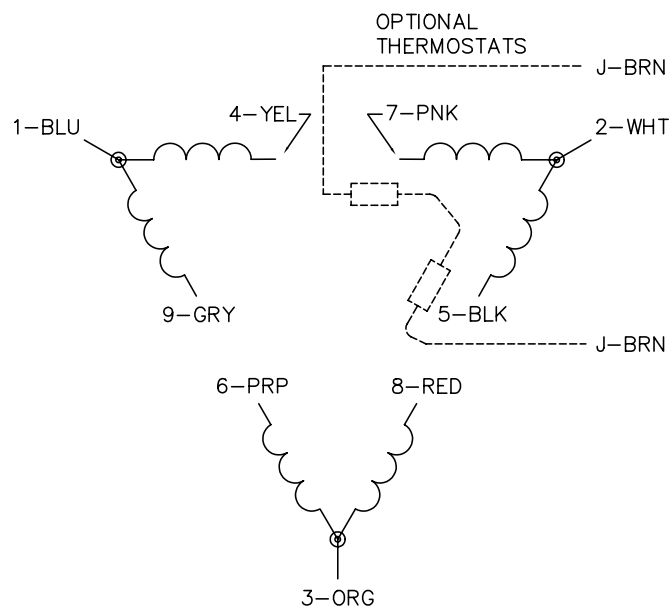
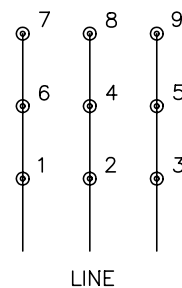
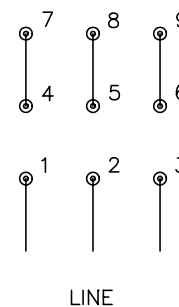
% of Rated Load	25	50	75	100	125	150	S.F.
Power Factor	65	82	88	90	90	89	90
Efficiency	90.7	93.7	94.2	93.9	93.3	92.5	93.5
Speed	3585.3	3574.5	3562.4	3549.9	3535.7	3520.5	3541
Line amperes	24.4	36.9	51.5	66.9	83.7	102	77

Performance Graph at 460V, 60Hz, 60.0HP Typical performance - Not guaranteed values





CD0180

LOW VOLTAGE
(2D)HIGH VOLTAGE
(1D)

NOTES:

1. INTERCHANGE ANY TWO LINE LEADS TO REVERSE ROTATION.
2. OPTIONAL THERMOSTATS ARE PROVIDED WHEN SPECIFIED.
3. ACTUAL NUMBER OF INTERNAL PARALLEL CIRCUITS MAY BE A MULTIPLE OF THOSE SHOWN ABOVE.
4. LEAD COLORS ARE OPTIONAL. LEADS MUST ALWAYS BE NUMBERED AS SHOWN.

REV. DESC: REVISE TO SHOW OPTIONAL COLORS

REV. LTR: C BY: JLP

REVISED: 01/21/99 2:28

TDR: 0171435

081000

FILE: AAA00005148

MDL: -

MTL: -

BALDOR ELECTRIC Co.

3PH, DV, 9 LEADS, DELTA CONNECTION

CD0180